

ELEMENTARY SCHOOL BUILDINGS

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
A. <u>PRESCHOOL - KINDERGARTEN</u>		
A1 GENERAL CLASSROOM	30	1,200
a. Storage		200
b. Rest Room		50
B. <u>ELEMENTARY</u>		
B1 GENERAL CLASSROOM	25	900
B2 ART		
a. Classroom Area (Includes materials, storage, and cleanup area)	30	1,500
b. Display Area		150
B3 MUSIC		
a. Individual Practice Rooms		100
b. Instructional/Practice	50	1,500
c. Instrument Storage (Secured)		200
d. Office Area		100
B4 LIBRARY/MEDIA CENTER		
a. Reading/Browsing/Seating	<u>1/</u>	40/student 1,800/min
b. Conference		500
c. Audio-Visual Storage		400
d. Office		100
e. Materials Storage		500
f. Viewing		125

NOTE: 1/ Designed to accommodate 15 percent of the total school enrollment.

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
g. Work Room		500
B5 MULTIPURPOSE ROOM		
a. Play/Dining (Ceiling Height 18' to 20')		5,000
b. Stage		500
c. Equipment Storage		250
d. Chair, Table Storage		250
B6 PHYSICAL EDUCATION		
a. Gymnasium		4,800
b. Showers, Boys, fifth and sixth grades		800
c. Showers, Girls, fifth and sixth grades		800
d. Play Areas:		

Types of Area	Recommended Dimensions (in feet)	Space required (in sq. ft.)	No. of Areas Required for A 3 or 4 Section School	Total Sq. Ft.
Multiple-Purpose	100 x 120	12,000	2	24,000
Apparatus	75 x 120	9,000	1	9,000
Track and Field	80 x 120	9,600	2	19,200
General Purpose	125 x 150	18,750	1	18,750
Softball	250 x 250	65,500	2	125,000
Field Games	180 x 140	25,200	2	50,400
Total Acreage				5.66

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
B7 SPECIAL EDUCATION	<u>2/</u>	
a. Mental Retardation		900
b. Specific Learning Disabilities		900
c. Behavior Disorders		900
d. Physically & Other Health Impaired		1,000
e. Visually Impaired		900
f. Hearing Impaired		900
g. Speech/Language Disorders		900
h. Multiply Handicapped		1,000
i. Deaf/Blind		900
j. Autistic		900
k. Severely Handicapped		1,000
l. Early Childhood Special Education (per class)		1,200
B8 COMPUTER LABORATORY	<u>3/</u>	950
B9 REMEDIAL EDUCATION		900
B10 GIFTED EDUCATION		900

NOTE: 2/ Standards and approvable caseloads determined by the Coordinator of Special Education, Missouri Department of Elementary and Secondary Education.

3/ The AC power supplies should be provided for each station on a master control switch. There should be at least one telephone line into the lab to facilitate access to external data sources. Either tile or special static-free carpet should be used to prevent static electricity.

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
B11 ADMINISTRATION		
a. Principal's Office		200
b. Assistant Principal's Office (each)		175
c. Secretary and Waiting Area		300
d. Clerk's Office		100
e. Storage		200
f. Workroom		250
g. Conference		250
h. Communications Control, Mail		150
i. Vault		75-150
B12 HEALTH SERVICES		
a. Examining Area		100
b. Cot Area		100
c. Nurse Office		100
d. Toilet (40 sq. ft. each sex)		80
e. Storage		150
B13 GUIDANCE SERVICES		
a. Counselors Office		100
b. Reception/Resource		180
c. Secretarial		125
d. Testing Area		150
e. Records Storage		150

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
B14 CUSTODIAL		
a. Office/Storage		100
b. Materials/Equipment Storage	<u>4</u> /	.1/student
c. External Storage (Grounds Equipment – Flammable Material)		150
B15 FOOD SERVICE	<u>5</u> /	
a. Dining	<u>6</u> /	12/student
b. Staff Dining (optional)		500
c. Dishwashing		300
d. Dry Storage		350
e. Kitchen		800
f. Nonfood Storage		250
g. Refrigeration		250
h. Serving Line (2)		400
i. Sink and Clean		50 each
j. Rest Room		100
k. Office		100
l. Receiving Dock, Waste Holding Area		150

NOTE: 4/ A custodian's service closet, including sink, should be provided on each floor of the building, convenient to general toilets, one for about each 7,500 to 10,000 square feet of floor area.

5/ Refer to Missouri Department of Health rule governing food service sanitation and the Missouri Department of Elementary and Secondary Education School Food Services requirements.

6/ Based on 100 percent student enrollment – two lunch periods. Use as a minimum 200 students.

	<u>Student Capacity</u>	<u>Recommended Area in Square Feet</u>
B16 REST ROOMS/DRINKING FOUNTAINS		
a. Boys	<u>7</u> /	1.5/student
b. Girls	<u>7</u> /	1.5/student
c. Water Closets		
1) Boys	1 to 50	
2) Girls	1 to 30	
d. Urinals	1 to 30	
e. Lavatories	1 to 40	
f. Drinking Fountains	1 to 75 <u>8</u> /	
B17 WORKROOM		
a. Faculty Room		200
b. Rest Room (1 each sex)		50
c. Work Area		500

NOTE: 7/ Based on 50 percent of total student enrollment.

8/ Drinking fountains shall not be installed in restrooms.

B18 TABLE OF WORKING HEIGHTS

	ELEMENTARY						
	K	1	2	3	4	5	6
Chalk Rails	24”	26”			28”		
Drinking Fountains (Floor to Nozzles)	24”	24”			28”		
Guardrails (minimum requirement	3 ½”						
Handrails (nosing to rail) Stairways, fire escapes	26”	26”			28”		
Lavatories	20”	22”			25”		
Water Closets (floor to rim)	10”	10”			13”		
Work Counters	24”	26”			30”		
Urinals (floor to rim)	16”	16”			18”		

Recommended
Foot Candles of
Illumination

B19 LIGHTING

a. Classrooms, Libraries, Offices	60
b. Drafting, Art, Keyboarding	80
c. Music, Seminar Rooms	60
d. Gymnasium, Multipurpose Rooms	50
e. Corridors, Service Areas	30

Recommendations

B20 CORRIDORS

a. Construction

fire-resistive in,
walls, floors and
ceilings

b. Width

1. Single-loaded corridors

- | | |
|-------------------------------------|--------|
| a. no lockers or storage | 7 feet |
| b. lockers or storage on one side | 8 feet |
| c. lockers or storage on both sides | 9 feet |

2. Double-loaded corridors

- | | |
|-------------------------------------|---------|
| a. no lockers or storage | 8 feet |
| b. lockers or storage on one side | 9 feet |
| c. lockers or storage on both sides | 10 feet |

B21 EXTERNAL AREAS

a. Walks

6' Wide

b. Parking Spaces

9' Wide 17' Long

1. Two per teaching station + 5